

June 28, 29 and 30.—Over Minnesota and the Upper Lakes into Canada, accompanied by severe thunder-storms north and west of the Ohio valley, brisk winds over the Northwest, Lake region and Atlantic States, and rain, often quite heavy, from the lower Mississippi, Northwest and Lakes to the Atlantic coast.

One Cautionary Signal was displayed at Duluth on the 17th.

TEMPERATURE.

The mean temperature for June, 1873, is higher than the mean for the month, except for the vicinity of Lake Superior, where it is lower by $0^{\circ}.7$ to $1^{\circ}.8$; in the South Atlantic States it varies from $1^{\circ}.6$ below to $1^{\circ}.0$ above, and from New Jersey and eastern Pennsylvania to Maine, $1^{\circ}.2$ below to $1^{\circ}.1$ above. The excess is greatest in northeastern Virginia, $4^{\circ}.5$; northern New York, $1^{\circ}.1$ to $4^{\circ}.7$; Kentucky, Ohio, Indiana and southern Michigan, $1^{\circ}.7$ to $6^{\circ}.5$; southern Alabama, $4^{\circ}.9$; Illinois, southern Wisconsin and eastern Iowa and Missouri, $7^{\circ}.5$ to $2^{\circ}.1$; eastern Kansas, $4^{\circ}.2$; southern and western Minnesota, $4^{\circ}.8$ to $6^{\circ}.7$; Fort Sully, Dakota, $8^{\circ}.0$ (?) and Cheyenne, $4^{\circ}.4$.

The mean for June, 1873, is lower than that for June, 1872, at San Francisco, $1^{\circ}.1$; in the Gulf States, $0^{\circ}.4$ to $1^{\circ}.6$; in the South Atlantic States, $0^{\circ}.3$ to $2^{\circ}.0$; in the vicinity of Lake Superior, $0^{\circ}.4$ to $1^{\circ}.6$. It varies in the Middle Atlantic and New England States from $1^{\circ}.1$ above to $3^{\circ}.9$ below. The former is the higher in Iowa and southern and western Minnesota, $4^{\circ}.5$ to $5^{\circ}.5$; in the Ohio valley, $1^{\circ}.0$ to $4^{\circ}.7$; over the Lower Lake region, $1^{\circ}.1$ to $2^{\circ}.7$.

MEAN TEMPERATURE.

SIGNAL SERVICE.	1871.			1872.			1873.		
STATIONS.	APR'L	MAY	JUNE	APR'L	MAY	JUNE	APR'L	MAY	JUNE
Washington.....	57°·6	64°.	73°·2	56°·2	67°·8	76°.	53°·3	63°·6	76°·5
New York	54°·2	58°·6	69°.	49°·7	61°·9	72°·8	46°·3	57°·6	68°·9
Boston.....	46°·7	57°·4	66°·2	46°·3	57°·2	67°·6	44°·6	56°·8	67°·2
Chicago.....	51°·2	56°·7	66°·8	47°·9	56°·1	69°·5	42°·3	53°·9	70°·2
St. Louis.....	60°·3	69°·1	79°.	57°·5	67°·4	76°·9	51°·2	65°·1	77°·1
New Orleans.....	70°·8	76°.	82°·5	70°·4	75°·8	80°·5	66°·9	73°·7	80°.

RAIN-FALL.

The returns for the month from the Signal Service stations show that there has been an excess of rain over the mean from Florida to western Tennessee and westward to Arkansas and eastern Texas, varying from 6.50 inches to 0.86 inch, from eastern South Carolina to southern Virginia 1.29 inches to 0.60 inch, from central Indiana to southeastern Missouri 1.42 inches to 0.68 inch, over northeastern Ohio 1.23 inches, and from eastern Nebraska northeastward to eastern Minnesota and northern Wisconsin and over northern Michigan 4.34 inches to 0.45 inch.